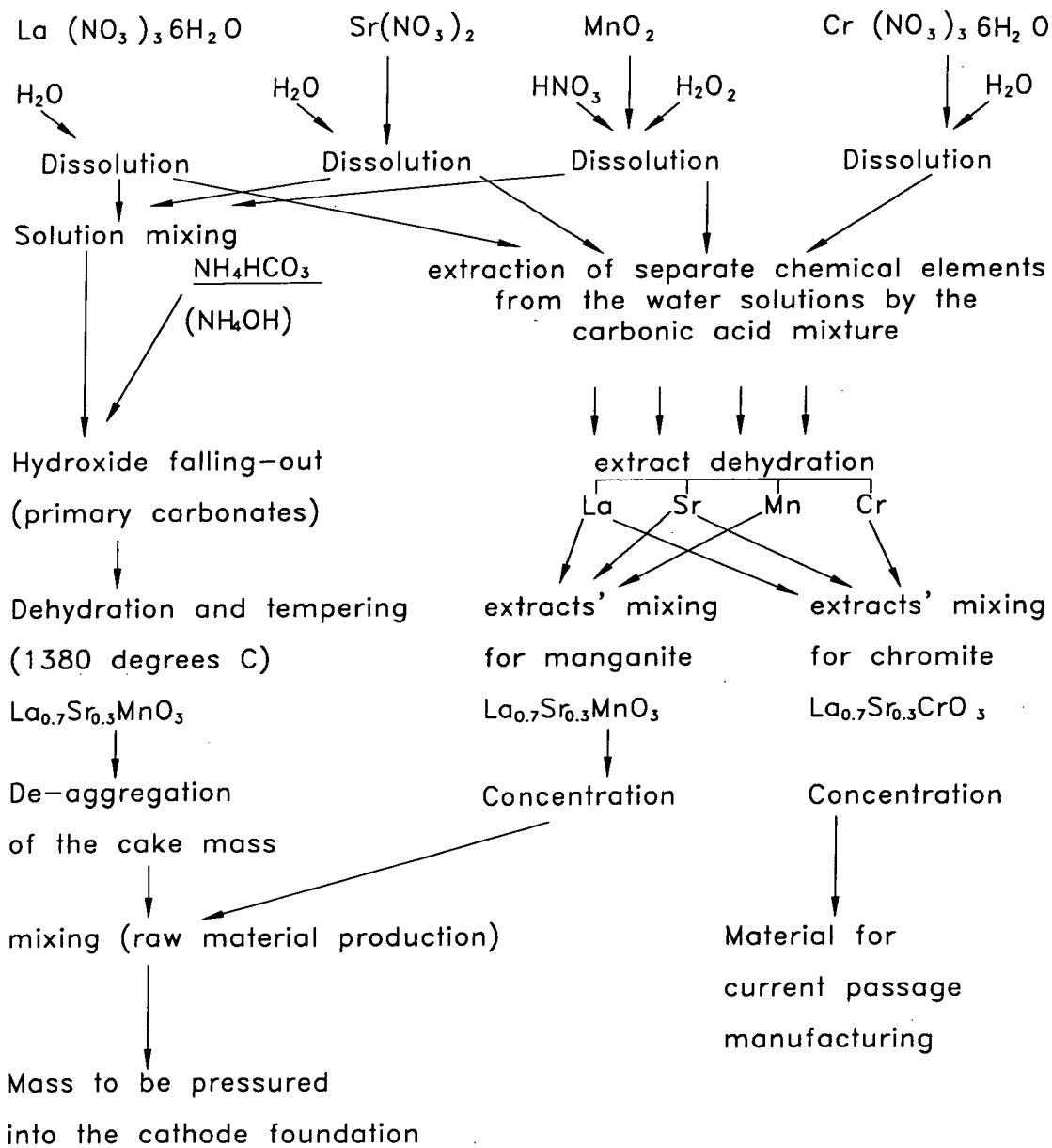


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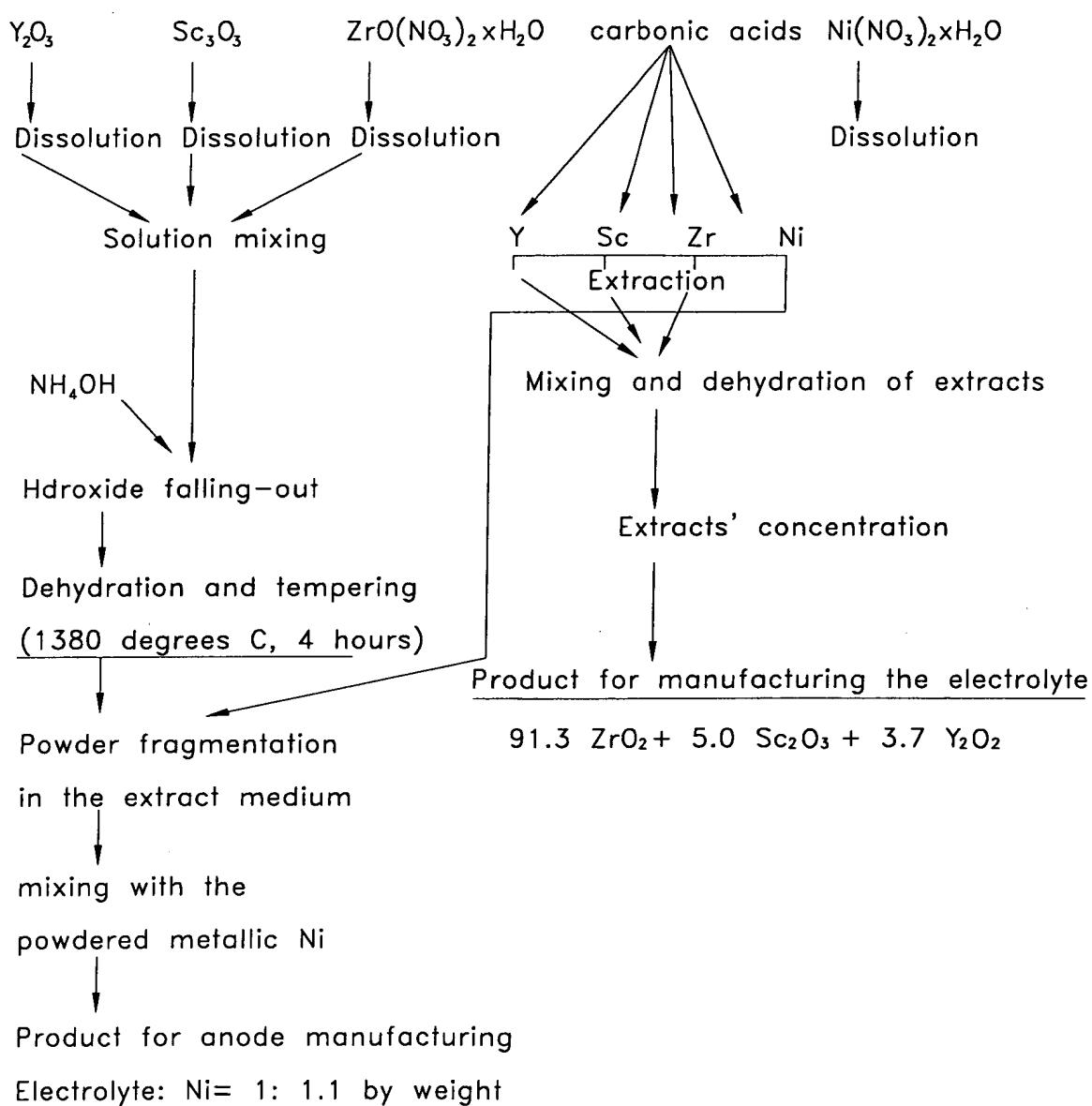
**FIG. 1**

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Forming the tubular cathode

by the hydrostatic pressuring

Burning out the binding agent, caking

T~1350 degrees C

Manufacturing the interface layer and current passage

Mixture of Cr, La, St carboxilates

Mixture of Ce, Sm/Gd, Zr, Y, Sc carbox-  
ilates

Manufacturing the electrode

Anode material YSZ GSC/Ni<sub>met</sub> CO<sub>met</sub>

Manufacturing the anode

Ni or Co carboxilates

Manufacturing the electrical insulating

layer

layer

Mg Al carboxilates

Thermal treatment  
T~1250 degrees C

(MgAl<sub>2</sub>O<sub>4</sub>) (YSZ)

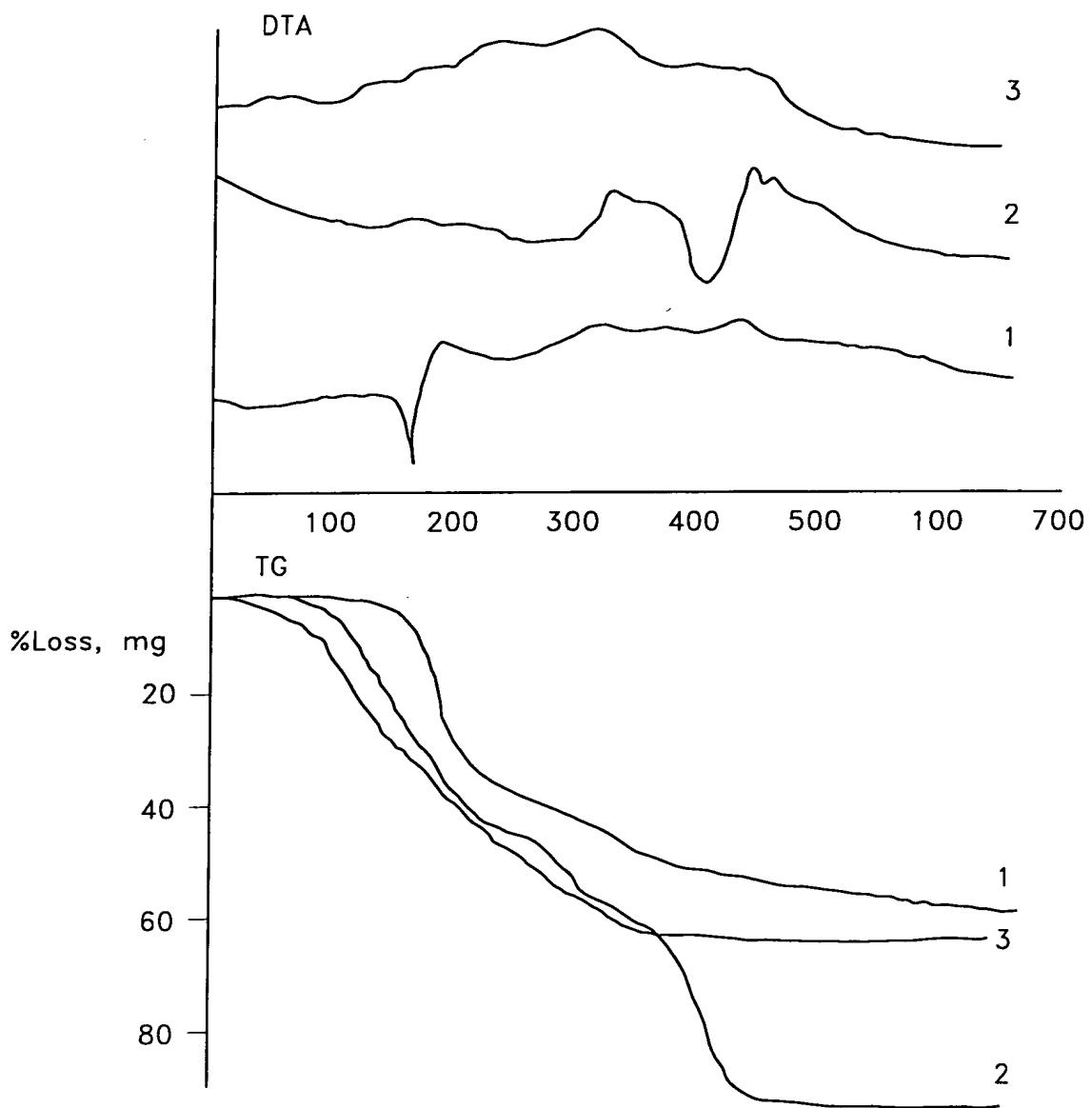
A single fuel cell

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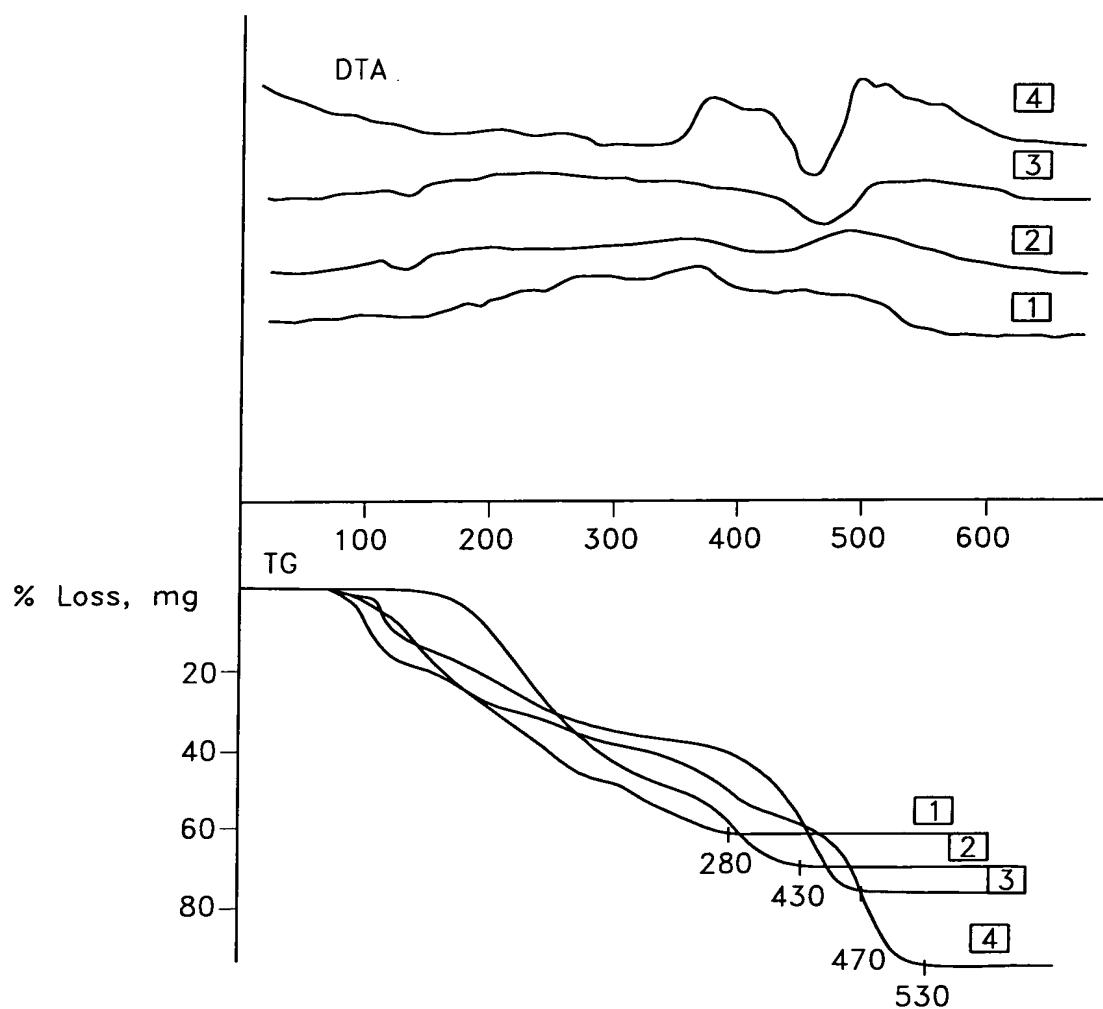
**FIG. 4**

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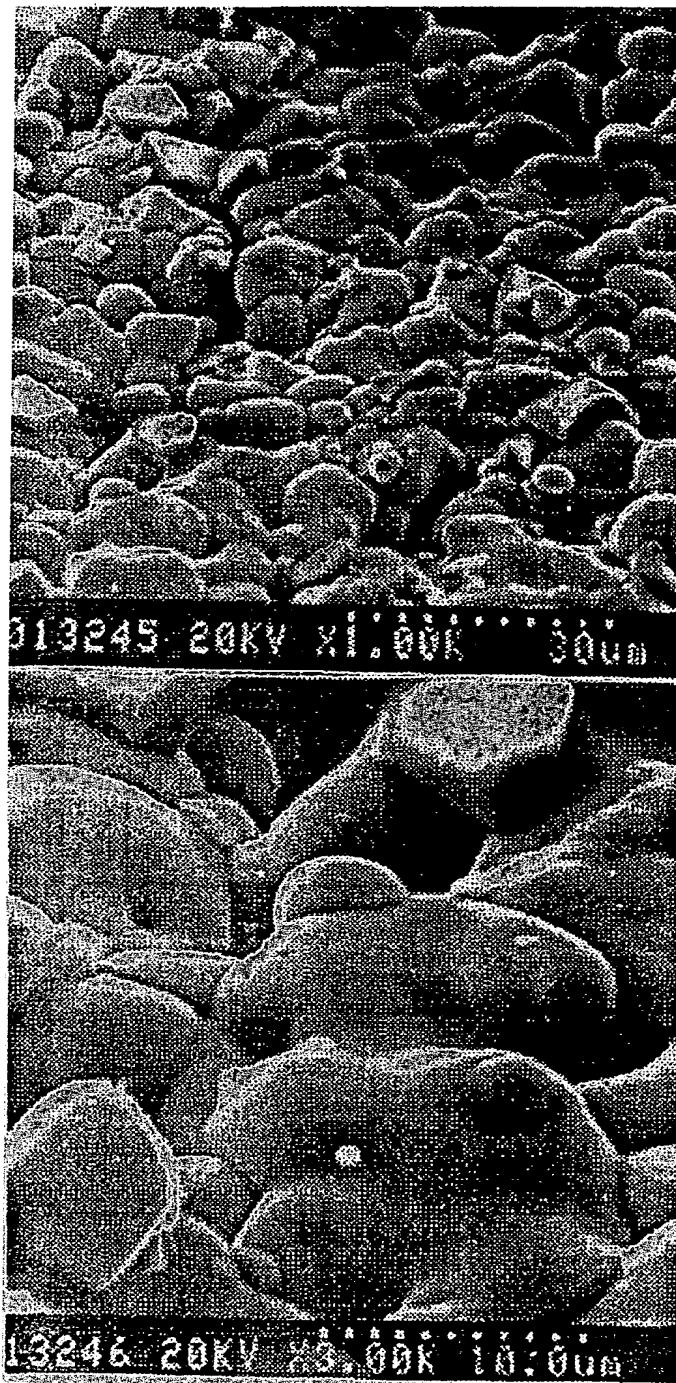
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**FIG. 5**

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**FIG. 6**

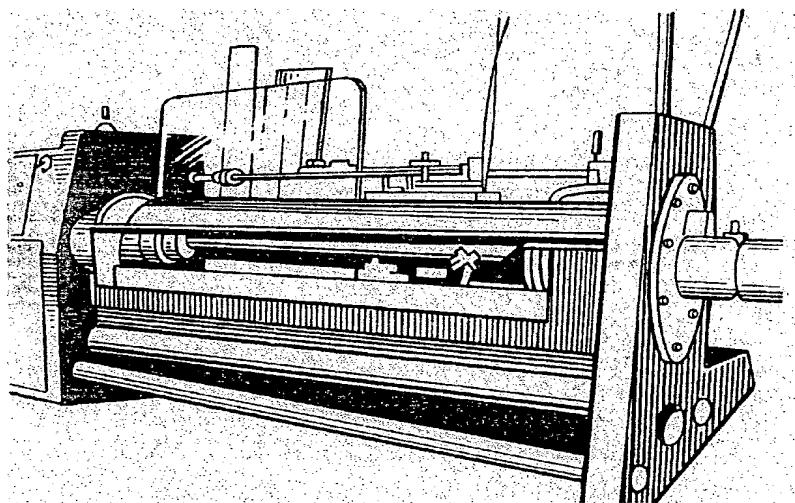
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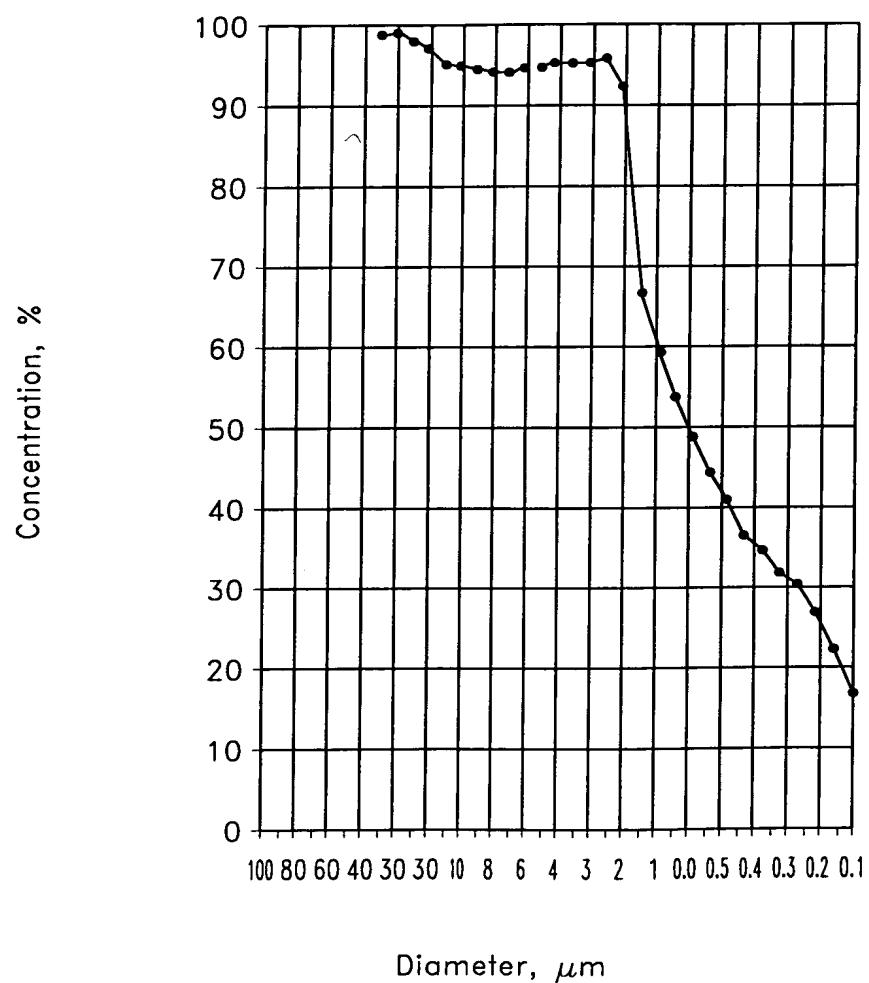
**FIG. 7**

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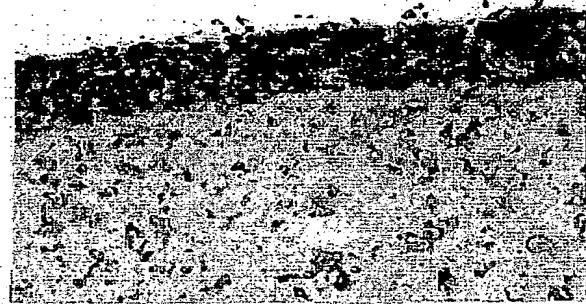
Measusrement of the signal profile

Length = 30 .7  $\mu\text{m}$

Average Length = 30.7  $\mu\text{m}$

X = 69.8  $\mu\text{m}$

Y = 131.8  $\mu\text{m}$



**FIG. 9**

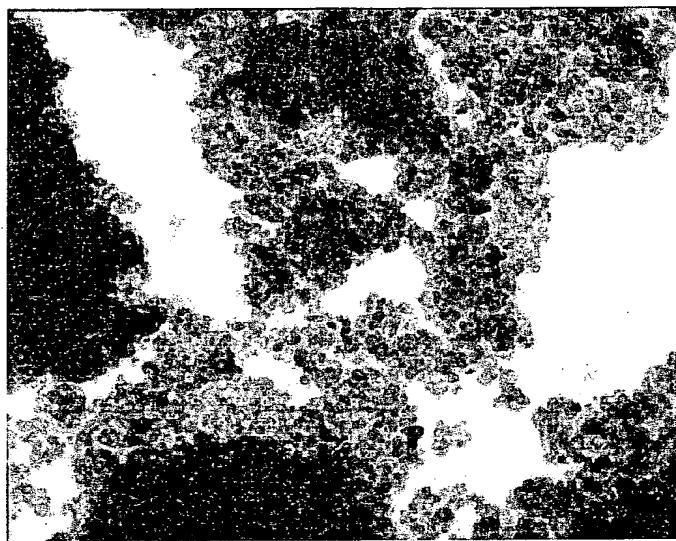
*METHOD FOR MANUFACTURING A SINGLE HIGH-TEMPERATURE FUEL CELL AND...*

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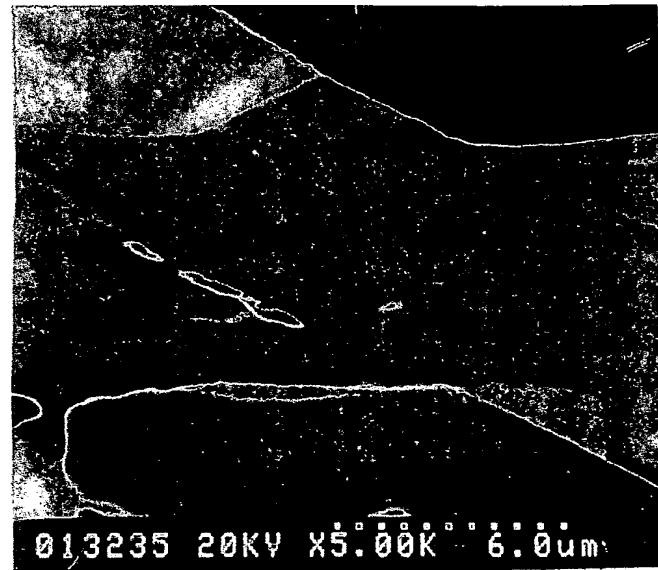
**FIG. 10**

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**FIG. 11**